



GAINWARD

Premium Brand of #1 NVIDIA Board Partner

Gainward GeForce GTX 680 2048MB << truly game-changing performance >>

Specifications

Process Technology	28nm	Base Clock	1006 MHz
Processor Cores	1536 cores	Boost Clock	1058 MHz
Memory Amount	2048MB	Memory Clock	3004 MHz
Memory Type	256b GDDR5	Memory Bandwidth	192.3 (GB/Sec)

Key Features

- Kepler architecture
- NVIDIA GPU Boost
- NVIDIA Adaptive Vertical Sync
- Microsoft DirectX 11 with DirectCompute 5.0 support
- NVIDIA PhysX Technology
- NVIDIA CUDA technology
- NVIDIA 3D Vision Ready
- NVIDIA SLI Ready
- NVIDIA Surround
- PCI Express 3.0 support
- OpenGL 4.2 and OpenCL Support
- Support for four concurrent displays including:
 - DisplayPort 1.2
 - HDMI 1.4a
 - DVI *2 (dual-link)



Gainward Unique Features

- **QuattroPorts, 4 simultaneous displays on one**



Gainward provides 4 ports (DisplayPort, HDMI & Dual dual-link DVIs) in one, fulfills universal connectivity to diverse displays. Up to four concurrent displays in one single GTX 680 board.

Output Support



DVI-I, DVI-D, HDMI,
DisplayPort

Dimension

PCB: 254mm(L)x112mm(W)
Cooler :2 slot
Bracket: 2 slot

Accessory

1. Driver CD
2. Manual
3. Power cable
4. DVI to VGA dongle

Minimum system requirements

Graphics card require:

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- Two 6-pin PCI Express supplementary power connectors
- Minimum 550W or greater system power supply (with a minimum 12V current rating of 38A)
- Microsoft Windows 7, Windows Vista, Windows XP

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